

ABSTRACT OF THE DISCLOSURE

If a master data transmission apparatus is included in an optical data transmission system, a clock recovered by a first 5 clock recovery unit 91 based on an optical signal received from the optical data transmission system is selected by a clock selecting unit 93. If the master data transmission apparatus is included in an electrical data transmission system, a clock recovered by a second clock recovery unit 92 based on a lock signal 10 received from the electrical data transmission system is selected by the clock selecting unit 93. A mapping unit 74, a digital filter 75, and a D/A converting unit 76 perform processing in accordance with the clock selected by the clock selecting unit 93.